## 1 WHAT IS CLAIMED IS:

1	1.	An apparatus for processing substrates, comprising:			
2		(a)	a chamber having:		
3			(i)	a sidewall;	
4			(ii)	a lid disposed at one end of the sidewall; and	
5			(iii)	a bottom disposed at the opposite end of the sidewall;	
б		(b)	a substrate support member cantilever mounted on the sidewall;		
<b>5 9 9</b>		(c)	one or more gas inlets disposed through one or more of the sidewall and the lid to		
8	admit	admit gas into the chamber;			
9		(d)	one or	more gas inlets disposed through one or more of the sidewall and the lid to	
θ	admit one or more cleaning gases into the chamber; and				
1	(e) an exhaust port disposed in the bottom of the chamber.				
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	2. The apparatus of claim 1 wherein the lid comprises a dome comprised of a dielectric				
2	material.				

- 1 3. The apparatus of claim 2 wherein the dome comprises a material selected from the group consisting of Al<sub>2</sub>O<sub>3</sub>, AlN, SiO<sub>2</sub> or combinations thereof.
- 1 4. The apparatus of claim 3 wherein the dome further comprises a generally annular sidewall and a generally planar top.
- 1 5. The apparatus of claim 2 further comprising a heat transfer assembly disposed adjacent to the lid.

- 6. The apparatus of claim 5 wherein the heat transfer assembly comprises one or more heat 1
- 2 transfer plates.
- The apparatus of claim 6 wherein the one or more heat transfer plates comprise a heating 7. 1
- 2 plate and a cooling plate.
- The apparatus of claim 7 wherein the heating and cooling plates are comprised of a 1 8. thermally conductive material. 2 mile of the second of the se
  - The apparatus of claim 8 wherein the thermally conductive material is selected from the 9. group consisting of AlN, SiN, Al or combinations thereof.
  - The apparatus of claim 9 wherein the heating plate includes a resistive heating element 10. disposed therein.
  - The apparatus of claim 10 wherein the cooling plate includes one or more fluid passages 11. disposed therein.
  - The apparatus of claim 11 wherein a heat conducting member is disposed between the 1 12.
  - heating plate and the cooling plate. 2

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- 1 13. The apparatus of claim 12 wherein the heat conducting member comprises a heat transfer
- material such as grafoil, chromerics, or combinations thereof. 2

- 1 14. The apparatus of claim 13 wherein the heat conducting member comprises one or more
- 2 pucks disposed between the heating and cooling plates.